

PROCESS OF GAS ANALYSIS AND GEAR FOR ITS REALIZATION

Patent number: RU2109278
Publication date: 1998-04-20
Inventor: DOBROTIN S A; POPOV A A; SAZHIN S G;
SHURASHOV A D
Applicant: RSITET;; NIZHEGORODSKIJ G TEKHN UNIVE
Classification:
- **International:** G01N27/62
- **European:**
Application number: RU19950108460 19950524
Priority number(s): RU19950108460 19950524

Report a data error here

Abstract of RU2109278

FIELD: gas analysis. **SUBSTANCE:** in agreement with invention gas sample is ionized in ionization chamber, gas carrier is fed and electric field drawing ion flux from ionization zone to registration zone is created. Equipotential surface is formed on surface limiting cavity of ionization chamber to create drawing electric field. Ionization chamber 1 has ionization source 7, grounded electrode 9, collector 8. Grounded electrode 9 is manufactured in the form of rod. Collector 8 and electrode 9 are fixed in plug 10 with outlet holes 11. Ionization chamber 1 is shut on side of gas injection by wall 2 with distributed holes 3. Surfaces 4, 5 limiting cavity of chamber 1 are connected to power supply source 6. Collector 8 is connected through amplifier 12 to indicator 13. **EFFECT:** improved authenticity of process. 2 cl, 2 dwg öö1

Data supplied from the **esp@cenet** database - Worldwide